ROLLING BEARING

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Abstract of **JP7027139**

PURPOSE:To provide a rolling bearing by which both excellent dimensional stability and the long rolling service life can be held under conditions where a temperature is high and a foreign matter is mixed in lubricant in the bearing. CONSTITUTION:When prescribed heat treatment is applied to an inner ring, an outer ring and a rolling body composed of alloy steel containing C by 0.10 to 1.00 weight %, Cr by 0.50 to 3.00 weight %, Si by 0.15 to 1.00 weight % and Mn by 0.20 to.1.50 weight % at respective ratios, an average residual austenite quantity of the inner ring among the inner ring and the outer ring can be set not more than 4 volume %, and an average residual austenite quantity of the rolling body can be set in 20 to 30 volume %.